IN THE CLAIMS:

Claims 1-19 (Previously canceled)

20. (Currently amended) An isolated haemopoietin receptor comprising:

(i) an amino acid sequence having at least about 90% identity to the amino acid sequence set forth in any one of SEQ ID NO: 13, 15, 17, 19~~, 25~~ and 29;

(ii) an amino acid sequence encoded by a nucleotide sequence having at least about 85% identity to the nucleotide sequence set forth in any one of SEQ ID NO: 12, 14, 16, 18~~, 24~~ and 28; or

(iii) an amino acid sequence encoded by a nucleotide sequence which hybridizes under high stringency conditions to the nucleotide sequence set forth in any one of SEQ ID NO: 12, 14, 16, 18~~, 24~~ and 28;

wherein said receptor further comprises the amino acid motif:

Trp Ser Xaa Trp Ser (SEQ ID NO: 1)

wherein Xaa is any amino acid.

21. (Previously amended) The isolated haemopoietin receptor according to claim 20 wherein Xaa is Asp or Glu.

22. (Previously amended) The isolated haemopoietin receptor according to claim 21 comprising the amino acid sequence set forth in SEQ ID NO: 13.

23. (Previously amended) The isolated haemopoietin receptor according to claim 21 comprising the amino acid sequence set forth in SEQ ID NO: 15.

24. (Previously amended) The isolated haemopoietin receptor according to claim 21 comprising the amino acid sequence set forth in SEQ ID NO: 17.

25. (Previously amended) The isolated haemopoietin receptor according to claim 21 comprising the amino acid sequence set forth in SEQ ID NO: 19.

26. (Currently amended) The isolated haemopoietin receptor according to claim ~~21~~49 comprising the amino acid sequence set forth in SEQ ID NO: 25.

G3 CONT.

27. (Previously amended) The isolated haemopoietin receptor according to claim 21 comprising the amino acid sequence set forth in SEQ ID NO: 29.

Claims 28-34 (Previously canceled)

G4

35. (Currently amended) An isolated haemopoietin receptor comprising an amino acid sequence having at least about 90% identity to the amino acid sequence set forth in any one of SEQ ID NO: 13, 15, 17, 19~~, 25~~ and 29, wherein said receptor further comprises the amino acid motif:

Trp Ser Xaa Trp Ser (SEQ ID NO: 1)

wherein Xaa is any amino acid.

36. (Previously added) The isolated haemopoietin receptor according to claim 35 wherein Xaa is Asp or Glu.

G5

37. (Currently amended) An isolated haemopoietin receptor comprising an amino acid sequence encoded by a nucleotide sequence having at least about 85% identity to the nucleotide sequence set forth in any one of SEQ ID NO: 12, 14, 16, 18~~, 24~~ and 28, wherein said receptor further comprises the amino acid motif:

Trp Ser Xaa Trp Ser (SEQ ID NO: 1)

wherein Xaa is any amino acid.

38. (Previously added) The isolated haemopoietin receptor according to claim 37 wherein Xaa is Asp or Glu.

G6

39. (Currently amended) An isolated haemopoietin receptor comprising an amino acid sequence encoded by a nucleotide sequence which hybridises under high stringency conditions to the nucleotide sequence set forth in any one of SEQ ID NO: 12, 14, 16, 18~~, 24~~ and 28, wherein said high stringency conditions comprise from at least about 31% v/v to at least about 50% v/v

formamide for hybridisation, and from at least about 0.01M to at least about 0.15M salt at about 42°C for washing, and wherein said receptor further comprises the amino acid motif:

G6 Cont.

Trp Ser Xaa Trp Ser (SEQ ID NO: 1)

wherein Xaa is any amino acid.

40. (Original) The isolated haemopoietin receptor according to claim 39 wherein Xaa is Asp or Glu.

41. (Canceled).

42. (Currently amended) An isolated haemopoietin receptor according to claim ~~41~~39 wherein ~~the~~said high stringency conditions comprise 0.1xSSC/0.1% (w/v) SDS at 65°C for 30 min for washing conditions.

G7

43. (Previously amended) An isolated haemopoietin receptor comprising the amino acid sequence set forth in SEQ ID NO: 13.

44. (Previously amended) An isolated haemopoietin receptor comprising the amino acid sequence set forth in SEQ ID NO: 15.

45. (Previously amended) An isolated haemopoietin receptor comprising the amino acid sequence set forth in SEQ ID NO: 17.

46. (Previously amended) An isolated haemopoietin receptor comprising the amino acid sequence set forth in SEQ ID NO: 19.

47. (Previously amended) An isolated haemopoietin receptor comprising the amino acid sequence set forth in SEQ ID NO: 25.

48. (Previously amended) An isolated haemopoietin receptor comprising the amino acid sequence set forth in SEQ ID NO: 29.

49. (New) An isolated haemopoietin receptor comprising:

(i) an amino acid sequence having at least about 90% identity to the amino acid sequence set forth in SEQ ID NO: 25;

(ii) an amino acid sequence encoded by a nucleotide sequence having at least about 85% identity to the nucleotide sequence set forth in SEQ ID NO: 24; or

(iii) an amino acid sequence encoded by a nucleotide sequence which hybridizes under high stringency conditions to the nucleotide sequence set forth in SEQ ID NO: 24;

wherein said receptor further comprises the amino acid motif:

Trp Ser Xaa Trp Ser (SEQ ID NO: 1)

wherein Xaa is any amino acid.

50. (New) An isolated haemopoietin receptor comprising an amino acid sequence having at least about 90% identity to the amino acid sequence set forth in SEQ ID NO: 25, wherein said receptor further comprises the amino acid motif:

Trp Ser Xaa Trp Ser (SEQ ID NO: 1)

wherein Xaa is any amino acid.

51. (New) The isolated haemopoietin receptor according to claim 50 wherein Xaa is Asp or Glu.

52. (New) An isolated haemopoietin receptor comprising an amino acid sequence encoded by a nucleotide sequence having at least about 85% identity to the nucleotide sequence set forth in SEQ ID NO: 24, wherein said receptor further comprises the amino acid motif:

Trp Ser Xaa Trp Ser (SEQ ID NO: 1)

wherein Xaa is any amino acid.

53. (New) The isolated haemopoietin receptor according to claim 52 wherein Xaa is Asp or Glu.

54. (New) An isolated haemopoietin receptor comprising an amino acid sequence encoded by a nucleotide sequence which hybridises under high stringency conditions to the nucleotide sequence set forth in SEQ ID NO: 24, wherein said high stringency conditions comprise from at least about

31% v/v to at least about 50% v/v formamide for hybridisation, and from at least about 0.01M to at least about 0.15M salt at about 42°C for washing, and wherein said receptor further comprises the amino acid motif:

Trp Ser Xaa Trp Ser (SEQ ID NO: 1)

wherein Xaa is any amino acid.

GO cont.

55. (New) An isolated haemopoietin receptor according to claim 54 wherein said high stringency conditions comprise from at least about 31% v/v to at least about 50% v/v formamide for hybridisation, and from at least about 0.01M to at least about 0.15M salt at about 42°C for washing.

56. (New) An isolated haemopoietin receptor according to claim 54 wherein the high stringency conditions comprise 0.1xSSC/0.1% (w/v) SDS at 65°C for 30 min for washing conditions.